

Impacts of invasive alien species on biodiversity and ecosystem functioning

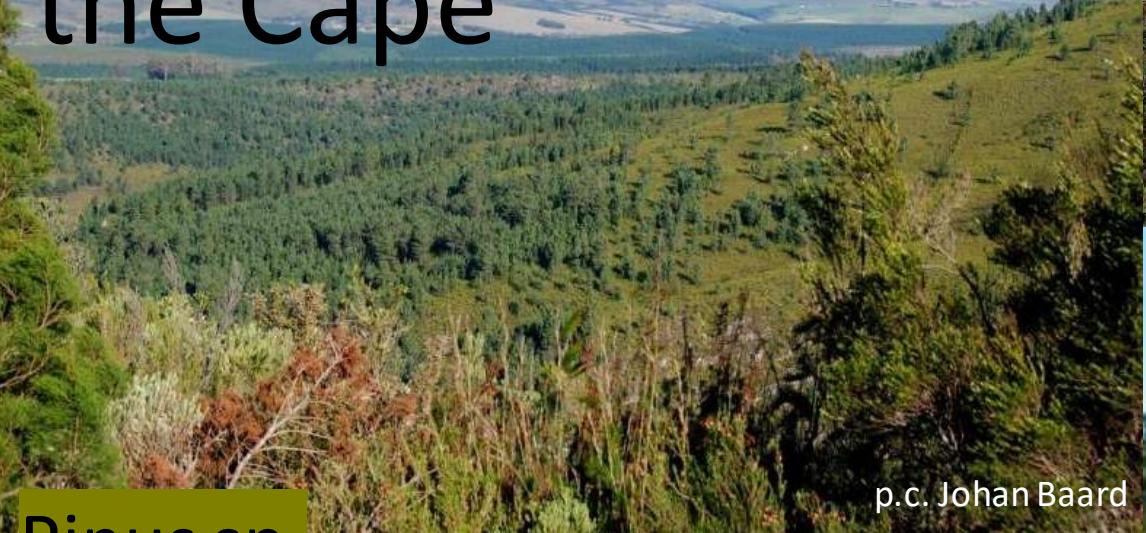


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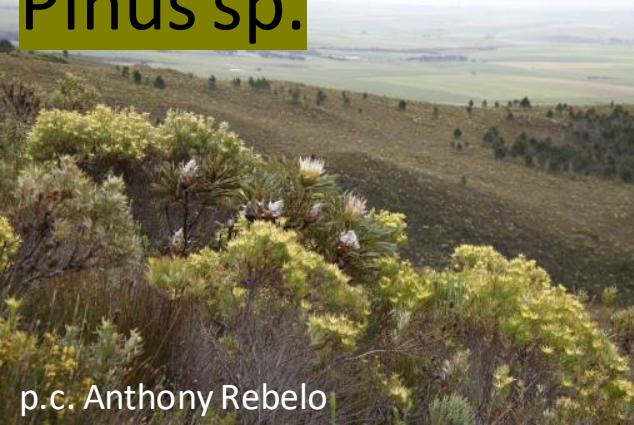
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Invasive species in the Cape



Pinus sp.

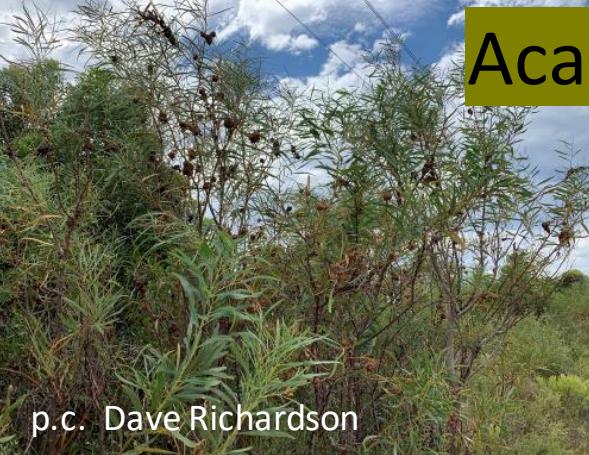


p.c. Anthony Rebelo



p.c. Ismail Ebrahim

Hakea sp.



p.c. Dave Richardson

Acacia sp.



p.c. Patricia Holmes & Penelope Grey



Eucalyptus sp.



p.c. Colin Paterson-Jones

p.c. Anthony Rebelo

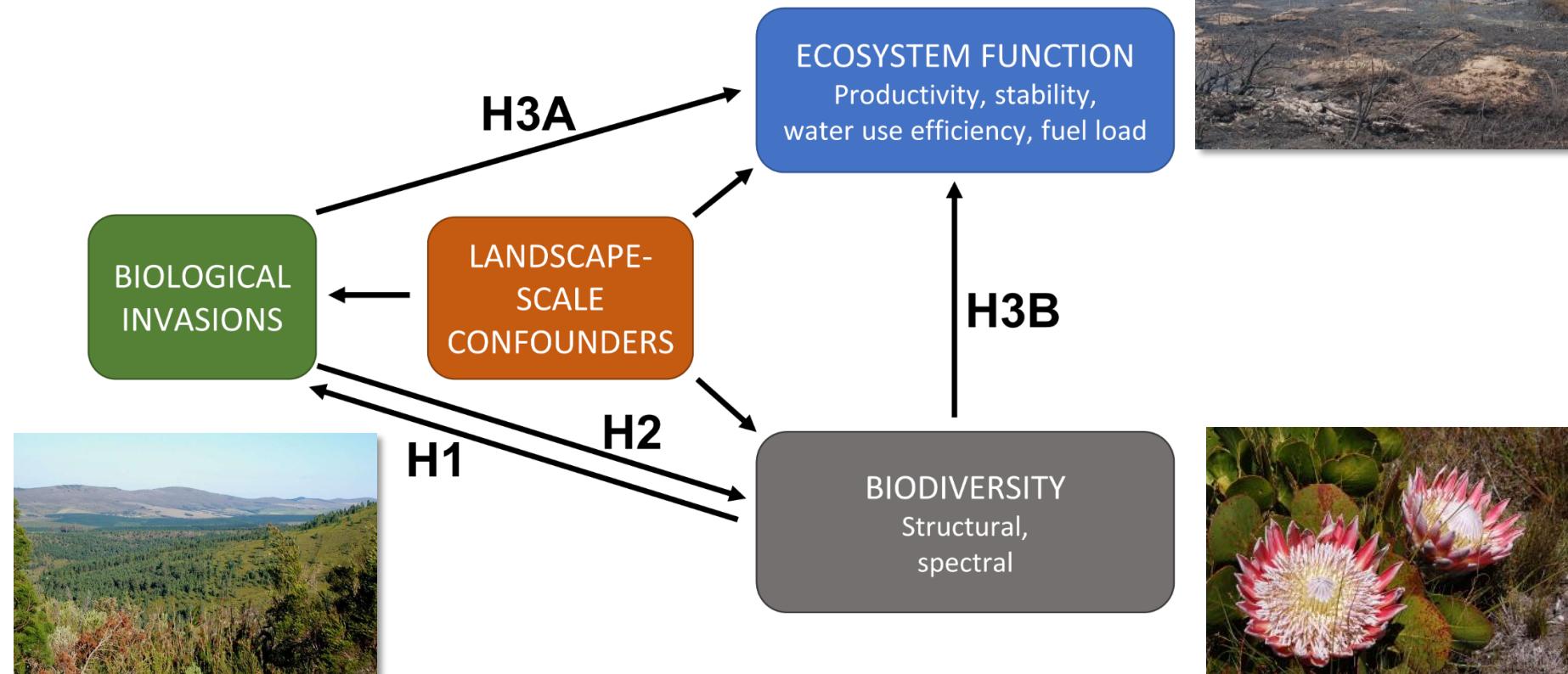


Hypotheses linking biodiversity, invasive species and ecosystem function

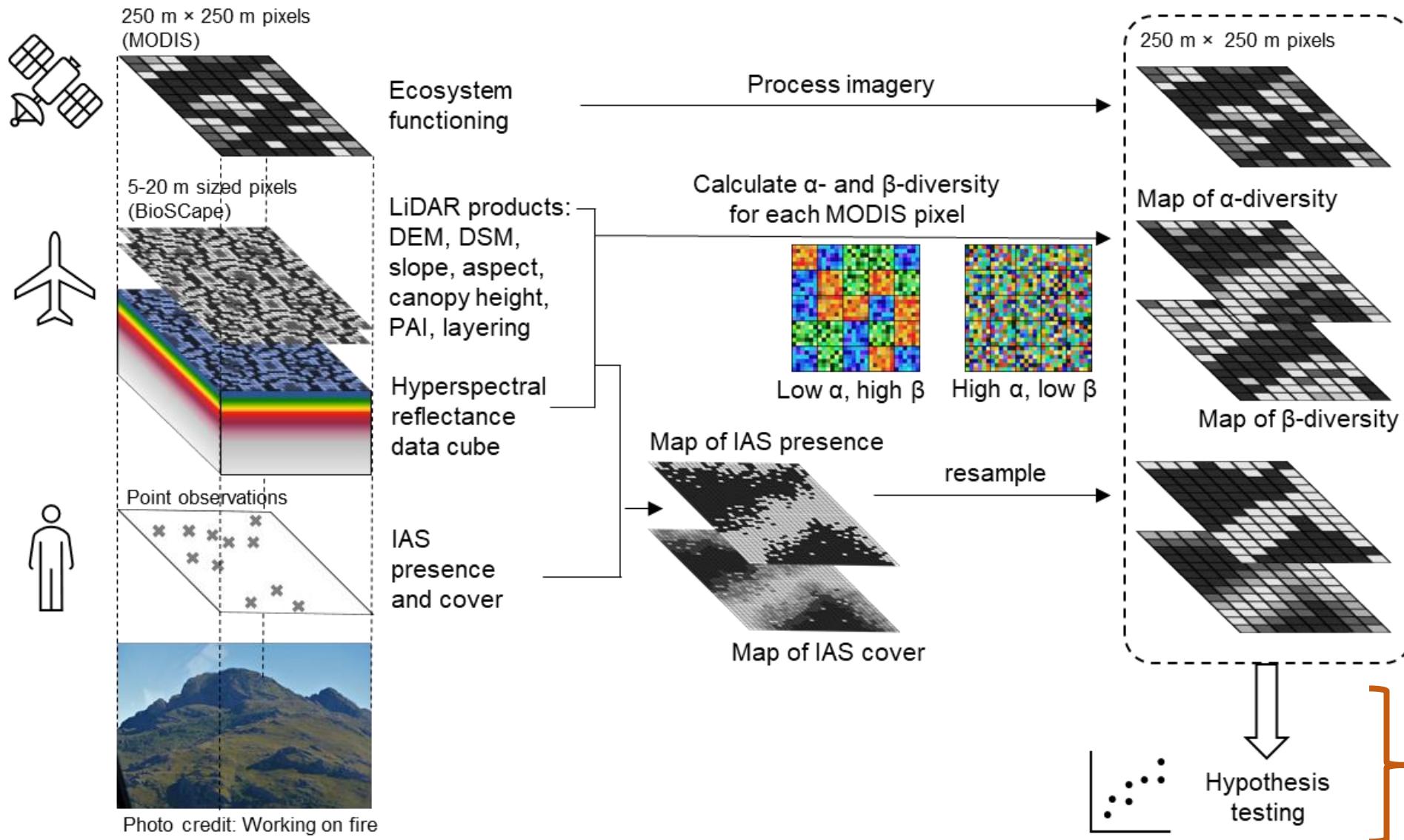
H1: Biotic resistance hypothesis, biodiversity reduces invasability

H2: Invasion impacts across scales (alpha \nearrow & beta diversity \searrow)

H3: Ecosystem function declines with invasives



Remote sensing workflow & causal analysis



Opening for post doc
in S Africa w
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Controlling for selection bias
(fire, management,
topography, geology) via
inverse probability weighting